

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	5	((document\$1 near (cluster\$3 or categor\$5)) with (semantic\$4 with similar\$5)) and (cluster\$3 near5 cluster\$1)	US-PGPUB	OR	OFF	2006/12/02 12:38
L2	0	1 and @ad<="19990604"	US-PGPUB	OR	OFF	2006/12/02 12:41
L3	6544	(715/501.1,513,514,517,520,526, 529,530,532).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/02 12:41
L4	8827	(707/3,5).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/02 12:41
L5	14917	3 4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/02 12:41
L6	4118	5 and @ad<="19990604"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/02 12:41
L7	4	6 and ((document\$1 with (cluster\$3 or categoriz\$3 or group\$3)) with (semantic\$4 with similar\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/02 12:43
S1	627	document with cluster\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/02 12:36
S2	1363	document with categor\$8	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/02/09 14:27
S3	742	document\$1 with cluster\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/24 10:43
S4	17	(document\$1 with cluster\$3) with merg\$5	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/24 10:43

EAST Search History

S5	788	cluster\$4 same merg\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/11 12:34
S6	7985	document with network\$1	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/21 10:56
S7	577	document near network\$1	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/21 10:56
S8	267	document adj network\$1	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/21 10:56
S9	26	(document adj network\$1) and cluster\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/21 10:57
S10	219	document near cluster\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/22 14:30
S11	182	document adj cluster\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/22 14:36
S12	498	(715/530).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/22 14:35
S13	565	(715/501.1).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/22 14:35
S14	825	(715/513).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/22 14:35
S15	293	(715/526).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/22 14:35

EAST Search History

S16	85	(715/520).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/22 14:35
S17	213	(715/514).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/22 14:36
S18	182	(document adj cluster\$3) same cluster\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/22 14:37
S19	1177	clustering with clusters	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/22 14:37
S20	62	clustering near clusters	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/22 14:39
S21	14	clustering adj clusters	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/22 14:39
S22	259	(715/517).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/22 14:41
S23	298	document\$3 near3 categoriz\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/22 14:41
S24	109	semantic near3 similarit\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/22 14:42
S25	4	((((document\$3 near3 categoriz\$4) and (semantic near3 similarit\$3)) and cluster\$3) and merg\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/22 14:43
S26	5	((document\$3 near3 categoriz\$4) and (semantic near3 similarit\$3)) and cluster\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/22 14:45

EAST Search History

S27	7	(document\$3 near3 categoriz\$4) and (semantic near3 similarit\$3)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/22 14:45
S28	6020	(document\$1 or text\$1 or paper\$1 or search\$2 or manual\$1 or web or html or xml or sgml) same cluster\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/01 13:15
S29	3196	(document\$1 or text\$1 or paper\$1 or search\$2 or manual\$1 or web or html or xml or sgml) with cluster\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/01 13:15
S30	1980	(document\$1 or text\$1 or paper\$1 or search\$2 or manual\$1 or web or html or xml or sgml) near5 cluster\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/01 13:47
S31	27376	(document\$1 or text\$1 or paper\$1 or search\$2 or manual\$1 or web or html or xml or sgml) near5 (cluster\$3 or group\$3)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/01 13:17
S32	452	S30 and similarit\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/01 13:48
S33	146	S32 and title\$1	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/01 13:51
S34	123	S33 and (merg\$3 or combin\$3)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/01 13:51
S35	66	S33 and ((merg\$3 or combin\$3) same (cluster\$3))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/01 15:15
S36	52	S35 and hierarchic\$2	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/01 15:16
S37	25	S36 and agglomerative	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/01 15:18
S38	4	S37 and dice	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/01 15:19

EAST Search History

S39	100	("6446061" "5668897" "5857179" "5819258" "5926812" "5895474" "5497486" "5566078" "5717915" "6295517" "6560597" "6728932" "6701010" "5202840" "6092072" "5414643" "5534930" "5706503" "6049797" "6067340" "6253339" "6314392" "6507669" "6625585" "6778981" "4970604" "6044179" "6137911" "6189002" "6216123" "6216123" "6629097" "6778995" "4805111" "5812697" "6598054" "6072904" "6195659" "5970463" "5764283" "5765166" "5806030" "5832182" "6088333" "6285995" "6295504" "6591356" "6754675" "6772398" "6772399").pn.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/02 08:39
S40	229	cluster\$3 and (dice)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/04 12:00
S41	7	cluster\$3 and (dice adj coefficient\$1)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/04 12:16
S42	714	scatter near gather	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/04 12:16
S43	642	scatter adj gather	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/04 12:16
S44	8	(scatter adj gather) near cluster\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/04 12:17
S45	52	hierarchical near agglomerative near clustering	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/04 12:54
S46	3	S45 and dice	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/04 12:47
S47	28	S45 and document\$1	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/04 12:54

EAST Search History

S48	2	("5931907").PN.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/09 12:46
S49	4462	cluster\$3 same display\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/09 13:01
S50	423	cluster\$3 near display\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/09 12:47
S51	92	S50 and similarit\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/09 12:47
S52	5043	cluster\$3 same (display\$3 or layout\$1)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/09 13:01
S53	501	cluster\$3 near (display\$3 or layout\$1)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/09 13:15
S54	79	cluster\$3 near (layout\$1)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/09 13:03
S55	65	S54 and similar\$5	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/09 13:04
S56	4	S54 and (layout\$1 near similar\$5)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/09 13:05
S57	0	S53 and (nam\$3 near scheme\$1)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/09 13:15
S58	25586	cluster\$3 and (nam\$3)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/09 13:16
S59	21416	cluster\$3 and (nam\$3) and similar\$5	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/09 13:16

EAST Search History

S60	408	cluster\$3 same (nam\$3) same similar\$5	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/09 13:16
S61	99	cluster\$3 with ((nam\$3) same similar\$5)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/09 13:18
S62	22	cluster\$3 with ((nam\$3) same similarit\$3)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/09 13:19
S63	12	("5483637" "5600791" "5703964" "5822741" "5857179" "5864855" "6100901" "6137911" "6269376").PN. OR ("6424971").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/09 13:24
S64	9	S63 and cluster\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/09 13:24
S65	373	(document\$5 or text\$3) near cluster\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/10 13:06
S66	26	S65 and (output\$4 near display\$1)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/10 13:05
S67	3	((document\$5 or text\$3) same nam\$3) near cluster\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/10 13:06
S68	5	lexical near affinity	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 08:03
S69	7	lexical near affinit\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 08:03
S70	2	S69 and cluster\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 08:36
S71	1064	yahoo	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 08:36

EAST Search History

S72	167	yahoo and cluster\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 08:36
S73	127	S72 and (layout\$1 or display\$1)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 08:37
S74	9	S73 and (cluster\$3 with nam\$3)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 09:00
S75	203	yahoo.as.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 09:00
S76	0	("yahoo.as.").PN.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 09:01
S77	203	yahoo.as.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 09:01
S78	0	S77 and cluster\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 09:01
S79	9	S77 and hierarchical\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 09:49
S80	2	("5,931,907").PN.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 10:44
S81	533	(715/530).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 10:44
S82	626	(715/501.1).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 10:44
S83	942	(715/513).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 10:44

EAST Search History

S84	317	(715/526).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 10:44
S85	90	(715/520).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 10:44
S86	286	(715/517).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 10:44
S87	236	(715/514).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 10:44
S88	1314	(707/5).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 10:45
S89	2862	(707/3).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 10:45
S90	863	(709/218).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 10:45
S91	0	("cluster\$3near(merg\$3orcombin\$3) ").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/16 13:12
S92	1037	cluster\$3 near (merg\$3 or combin\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/16 13:12
S93	3	(document\$1) near (cluster\$3 near (merg\$3 or combin\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/16 13:12
S94	18	cluster\$3 and (similarit\$3 same dice\$1)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/27 13:31

EAST Search History

S95	5	cluster\$3 and (similarit\$3 same dice\$1 same relation\$5)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/27 13:23
S96	117	(document\$1 near cluster\$3) same (similarit\$3)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/27 13:32
S97	13	S96 and dice\$1	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/27 13:32
S98	109	(agglomerative adj cluster\$3) and similarity\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/30 12:32
S99	31	S98 and @ad<="19990604"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/30 12:34
S10 0	3	S99 and dice\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/30 13:14
S10 1	1133	hierarchical near display\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/30 13:15
S10 2	215	S101 and (left near right)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/30 13:14
S10 3	11	(hierarchical near display\$1) same (left near right)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/30 13:37
S10 4	24	(bread adj crumb) adj trail\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/30 13:37

EAST Search History

S10 5	24	(bread adj crumb) adj trail\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/30 16:43
S10 6	10	S105 and ("and" or "or")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/30 16:38
S10 7	19	S105 and (similarit\$3 or relation\$2 or relationship\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/30 16:39
S10 8	51009	"I1" and (similarit\$3 or relation\$2 or relationship\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/30 16:39
S10 9	51009	"I1" and (similarit\$3 or relation\$2 or relationship\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/30 16:39
S11 0	19	S105 and (similarit\$3 or relation\$2 or relationship\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/30 16:39
S11 1	773	((bread adj crumb) adj trail\$3) or (navigat\$3 near order\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/30 16:44
S11 2	3	(navigat\$3 near order\$3) same (web near display\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/30 16:44
S11 3	800	document with cluster\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/03 11:18
S11 4	1	S113 and (binar\$3 near similarit\$3)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/03 11:18

EAST Search History

S11 5	2	("5,991,756").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/05 15:38
S11 6	944	(715/530).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/05 15:38
S11 7	1046	(715/501.1).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/05 15:38
S11 8	2076	(715/513).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/05 15:38
S11 9	518	(715/526).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/05 15:38
S12 0	117	(715/520).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/05 15:38
S12 1	573	(715/517).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/05 15:38
S12 2	319	(715/514).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/05 15:39
S12 3	5311	(707/3).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/05 15:39
S12 4	1645	(707/5).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/05 15:39

EAST Search History

S12 5	6099	(nam\$3 near5 convention\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 13:14
S12 6	1492	(file\$1 or document\$1 or object\$1) with (nam\$3 near5 convention\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 13:16
S12 7	1144	S126 and (group\$3 or categoriz\$3 or cluster\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 13:15
S12 8	339	S127 and @ad<="19990604"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 13:17
S12 9	114	((file\$1 or document\$1 or object\$1) with (nam\$3 near5 convention\$1)) same (group\$3 or classify\$3 or sort\$3 or aggregat\$3 or categoriz\$3 or cluster\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 13:17
S13 0	35	S129 and @ad<="19990604"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 13:19
S13 1	2	S130 and similarit\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 15:20
S13 2	2	("6944612").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 15:20
S13 3	16	((nam\$3 near3 convention\$1) with cluster\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 11:47
S13 4	16	S133 and 2ad<="19990604"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 11:47

EAST Search History

S13 5	3	S133 and @ad<="19990604"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 11:49
S13 6	128	concatenat\$3 with cluster\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 11:49
S13 7	17920749	4and @ad<="19990604"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 11:49
S13 8	54	S136 and @ad<="19990604"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 11:57
S13 9	6	concatenat\$3 with (document\$1 near5 cluster\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 11:49
S14 0	1	S139 and @ad<="19990604"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 12:01
S14 1	1342	(concatenat\$3 or combin\$3 or merg\$3) near name\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 12:01
S14 2	136	S141 and cluster\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 12:01
S14 3	906	S141 and (cluster\$3 or group\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 12:01
S14 4	331	S143 and @ad<="19990604"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 12:01

EAST Search History

S14 5	2201	(similarit\$3 with (display\$3))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 11:41
S14 6	159	(similarit\$3 with (display\$3)) same (document\$1)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 11:41
S14 7	80	S146 and @ad<="19990604"	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 11:51
S14 8	27	S147 and ((group\$3 or cluster\$3) with document\$1)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 11:54
S14 9	21	S148 and (display\$3 or print\$3 or output\$4) near5 result\$1	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 13:00
S15 0	2	("5,991,756").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 13:00
S15 1	5463	(715/530,501.1,513,526,520,517, 514,532,529).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 14:01
S15 2	7071	(707/3,5).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 14:01
S15 3	0	("006and7").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 14:01
S15 4	369	S151 and S152	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 14:01
S15 5	12165	S151 or S152	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 14:01

EAST Search History

S15 6	4076	S155 and @ad<="19990604"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 14:02
S15 7	51	S156 and ((document\$1 with cluster\$3) same similarit\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 14:02
S15 8	1870	document\$1 with cluster\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/08 10:12
S15 9	1128	document\$1 near3 cluster\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/08 10:12
S16 0	582	S159 and similarit\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/08 10:15
S16 1	282	S159 and @ad<="19990604"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/08 10:15
S16 2	122	S160 and @ad<="19990604"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/08 10:15
S16 3	704	document\$1 and (categoriz\$3) and similarit\$3 and cluster\$3	US-PGPUB	OR	OFF	2006/05/08 10:22
S16 4	1	document\$1 and (categoriz\$3) and similarit\$3 and cluster\$3 and (renam\$3 with cluster\$3)	US-PGPUB	OR	OFF	2006/05/08 10:27
S16 5	5658	(715/530,501.1,513,526,520,517, 532,529).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/08 10:27
S16 6	7689	(707/3,5).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/08 10:27

EAST Search History

S16 7	12962	S165 S166	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/08 10:27
S16 8	3931	S167 and @ad<="19990504"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/08 10:27
S16 9	0	S168 and (document\$1 and (categoriz\$3) and similarit\$3 and cluster\$3 and (renam\$3 with cluster\$3))	US-PGPUB	OR	OFF	2006/05/08 10:28

J3 12/02/06

Interference

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	5	((document\$1 near (cluster\$3 or categor\$5)) with (semantic\$4 with similar\$5)) and (cluster\$3 near5 cluster\$1)	US-PGPUB	OR	OFF	2006/12/02 12:38
L2	0	1 and @ad<="19990604"	US-PGPUB	OR	OFF	2006/12/02 12:39

JB 12/02/06



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Publication Return articles published in

e.g., J Biol Chem or Nature

Date Return articles published between

— 1999

e.g., 1996

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Areas**☒ Return articles in all subject areas.☐ Return only articles in the following subject areas:

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semantic similar "document clustering"

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All Results[G Salton](#)[S Deerwester](#)[S Dumais](#)[J Bezdek](#)[T Kohonen](#)Indexing by latent **semantic** analysis - group of 76 »

S Deerwester, ST Dumais, GW Furnas, TK Landauer, R ... - Journal of the American Society for Information Science, 1990 - doi.wiley.com

... A notion of **semantic** similarity, between documents and be ... models that try to put **similar** items near.... quently used for term and **document clustering** (Sparck Jones ... Cited by 2218 - [Related Articles](#) - [Web Search](#)

Probabilistic latent **semantic** indexing - group of 15 »

T Hofmann - Proceedings of the 22nd annual international ACM SIGIR ..., 1999 - portal.acm.org
 ... terms will have a **similar** representation in ... including automatic indexing Latent **Semantic** Indexing, LSI 1 ... Notice that in contrast to **document clustering** models ... Cited by 348 - [Related Articles](#) - [Web Search](#)

Projections for efficient **document clustering** - group of 13 »

H Schütze, C Silverstein - ACM SIGIR Forum, 1997 - portal.acm.org
 Projections for Efficient **Document Clustering** ... orthonormal space by means of Latent **Semantic** Indexing (LSI ... TF-50 is **similar** to the truncation method recommended ... Cited by 100 - [Related Articles](#) - [Web Search](#)

Information retrieval using a singular value decomposition model of latent **semantic** structure - group of 3 »

GW Furnas, S Deerwester, ST Dumais, TK Landauer, ... - Proceedings of the 11th annual international ACM SIGIR ..., 1988 - portal.acm.org
 ... models that try to put **similar** items near each other .in ... To represent the underlying **semantic** structure, ... **clustering**; though we note [KOLL'79] as an exception ... Cited by 110 - [Related Articles](#) - [Web Search](#)

Document clustering for electronic meetings: An experimental comparison of two techniques - group of 11 »

DG Roussinov, H Chen - Decision Support Systems, 1999 - dee.ufrn.br
 ... lieved to be important techniques for **semantic** analy- wx ... We have chosen to use **similar** metrics in our ... 4. In prior studies on **document clustering**, the benchmark ... Cited by 33 - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

Latent **semantic** indexing (LSI): TREC-3 report - group of 7 »

ST Dumais - Overview of the Third Text RETrieval Conference, 1994 - wortschatz.uni-leipzig.de
 ... manner, we assume that the derived "**semantic** space" is ... experiment in TREC-2, with amazingly **similar** results. ... a) **Document clustering** could be used to reduce the ... Cited by 53 - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

[book] Inference networks for document retrieval - group of 6 »

H Turtle, WB Croft - 1989 - ACM Press New York, NY, USA
 ... including browsing [TC89], **document clustering** [CroSO], spreading ... **similar** to computing the probability that a user ... a document, about the **semantic** and stochastic ... Cited by 250 - [Related Articles](#) - [Web Search](#) - [Library Search](#)

Grouper: A Dynamic Clustering Interface to Web Search Results - group of 15 »

O Zamir, O Etzioni - WWW8 / Computer Networks, 1999 - [www8.org](#)
 ... By fielding a **document clustering** system on the Web ... fail to capture the **semantic** distinctions the ... a hierarchical and interactive interface, **similar** to Scatter ...
 Cited by 248 - [Related Articles](#) - [Cached](#) - [Web Search](#)

[PS] Model selection in unsupervised learning with applications to document clustering - group of 2 »

B Dom, S Vaithyanathan - The Sixteenth International Conference on Machine Learning, 1999 - [almaden.ibm.com](#)
 ... By making assumptions about the generative model, we derive a closed-form expression for the **document clustering** problem. ... **Document Clustering** ...
 Cited by 30 - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

An interface for navigating clustered document sets returned by queries - group of 15 »

RB Allen, P Obry, M Littman - Proceedings of the conference on Organizational computing ..., 1993 - [portal.acm.org](#)
 ... while still others reflect the **semantic** confusion between ... browsing a static **document clustering**, but it seems to ... a bhry tree [6] in which **similar** documents are ...
 Cited by 54 - [Related Articles](#) - [Web Search](#)

Progress in the application of natural language processing to information retrieval tasks - group of 6 »

AF Smeaton - The Computer Journal, 1992 - [portal.acm.org](#)
 ... and Actions: Discussions Find **similar** Articles Review ... Fabio Crestani, Using **semantic** and phonetic ... algorithms for topical **document clustering**, Proceedings of ...
 Cited by 71 - [Related Articles](#) - [Web Search](#)

[BOOK] Web Page Categorization and Feature Selection Using Association Rule and Principal Component ... - group of 13 »

J Moore... - 1998 - [maya.cs.depaul.edu](#)
 ... In **document clustering**, each document corresponds to an item ... example, HyPursuit 22] uses **semantic** information embedded ... be used in nding **similar** HTML documents ...
 Cited by 37 - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [Library Search](#)

Document Categorization and Query Generation on the World Wide Web Using WebACE - group of 17 »

D Boley, M Gini, R Gross, EH Han, K Hastings, G ... - Artificial Intelligence Review, 1999 - Springer
 ... Existing approaches to **document clustering** are generally based on either ... into a term frequency matrix M, in a manner **similar** to Latent **Semantic** Indexing (LSI) ...
 Cited by 94 - [Related Articles](#) - [Web Search](#) - [Library Search](#) - [BL Direct](#)

Detecting text similarity over short passages: Exploring linguistic feature combinations via machine ... - group of 2 »

V Hatzivassiloglou, J Klavans, E Eskin - Proceedings of the Joint SIGDAT Conference on Empirical ..., 1999 - [citeseer.ist.psu.edu](#)
 ... (2001) (Correct) **Similar** documents based ... Schapire, Singer - 1999 31 **Semantics** and Cognition ... Recent Trends in Hierarchical **Document Clustering** (context) - Willet ...
 Cited by 32 - [Related Articles](#) - [Cached](#) - [Web Search](#)

Adaptive document clustering

CT Yu, YT Wang, CH Chen - Proceedings of the 8th annual international ACM SIGIR ..., 1985 - [portal.acm.org](#)
 ADAPTIVE DOCUMENT CLUSTERING ... many times, it is likely that the positive **semantic** relationship exists ... If such term pairs appear in **similar** situations many times ...
 Cited by 20 - [Related Articles](#) - [Web Search](#)

Using latent **semantic** analysis to improve access to textual information - group of 3 »
 ST Dumais, GW Furnas, TK Landauer, S Deerwester, R ... - Proceedings of the SIGCHI conference on Human factors in ..., 1988 - portal.acm.org
 ... been used for term and **document clustering** 1131, [1.5 ... well and looked for the most **similar** documents in ... latent **semantic** space, many of the vocabulary problems ...
 Cited by 108 - [Related Articles](#) - [Web Search](#)

Term-weighting approaches in automatic text retrieval - group of 5 »
 G Salton, C Buckley - Information Processing and Management: an International ..., 1988 - portal.acm.org
 ... Tools and Actions: Discussions Find **similar** Articles Review ... algorithms for topical **document clustering**, Proceedings of ... for latent **semantic** indexing information ...
 Cited by 1551 - [Related Articles](#) - [Web Search](#) - [Library Search](#)

[BOOK] Pattern Recognition with Fuzzy Objective Function Algorithms
 JC Bezdek - 1981 - Kluwer Academic Publishers Norwell, MA, USA
 Cited by 2835 - [Related Articles](#) - [Web Search](#) - [Library Search](#)

[BOOK] Self-organizing maps - group of 3 »
 T Kohonen - 1997 - Springer-Verlag New York, Inc. Secaucus, NJ, USA
 Cited by 4040 - [Related Articles](#) - [Web Search](#) - [Library Search](#) - [BL Direct](#)

Semantic Structuring and Visual Querying of Document Abstracts in Digital Libraries - group of 7 »
 A Becks, S Sklorz, C Tresp - Proc. of the Second European Conference on Research and ..., 1998 - Springer
 ... In [1] a combination of **document clustering** and visualization is ... where documents dealing with **similar** topics are ... For gaining a deeper, **semantic** comparison this ...
 Cited by 11 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Automatically Organizing Bookmarks per Contents - group of 4 »
 YS Maarek, I Ben-Shaul - WWW5 / Computer Networks, 1996 - www5conf.inria.fr
 ... 94] that introduced this LA-based **document clustering**, we proposed a ... concern) as it has no **semantic** meaning. ... as a percentage (0%= not **similar** whatsoever, 100 ...
 Cited by 60 - [Related Articles](#) - [Cached](#) - [Web Search](#)

Improving the retrieval of information from external sources
 ST Dumais - Behavior Research Methods, Instruments and Computers, 1991 - psychonomic.org
 ... We use the term **semantic** indexing to describe ... vectors corresponds to their estimated **similar**- ity ... sometimes been used for term and **document clustering** (Jardin & ...
 Cited by 232 - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

Term clustering of syntactic phrases - group of 6 »
 DD Lewis, WB Croft - Proceedings of the 13th annual international ACM SIGIR ..., 1989 - portal.acm.org
 ... However, **semantic** properties suffer, ... **clustering** and factor analysis. ... to relatively infrequent and highly **similar** terms, clusters should be used to supplement ...
 Cited by 62 - [Related Articles](#) - [Web Search](#)

[PS] WebACE: A Web Agent for Document Categorization and Exploration - group of 10 »
 EH Han, D Boley, M Gini, R Gross, K Hastings, G ... - Proc. of the 2nd International Conference on Autonomous ..., 1998 - www-users.cs.umn.edu
 ... example, HyPursuit [27] uses **semantic** information em ... queries and search for **similar** documents ... Existing approaches to **document clustering** are generally based on ...
 Cited by 70 - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

Document Clustering in Concept Space: The NIST Information Retrieval Visualization

Engine (NIRVE) - group of 5 »

J Cugini, S Laskowski, C Piatko - CODATA Euro-American Workshop on Visualization of ..., 1997 - itl.nist.gov

... **Document clustering** is based on these user inputs ... this serves to emphasize the **semantic** difference between ... premise that documents with **similar** concept profiles ...

Cited by 9 - [Related Articles](#) - [Cached](#) - [Web Search](#)

Integrating Query Expansion and Conceptual Relevance Feedback for Personalized Web Information ... - group of 7 »

CH Chang, CC Hsu - WWW7 / Computer Networks, 1998 - scu.edu.au

... upper bound performance in lexical-**semantic** expansion [3 ... designing philosophy, we choose **document clustering** as our ... The hypothesis is that **similar** documents are ...

Cited by 14 - [Related Articles](#) - [Cached](#) - [Web Search](#)

Semantic clustering for adaptive language modeling - group of 5 »

R Kneser, J Peters - Proc. ICASSP-97, 1997 - doi.ieeeecs.org

... **Similar** to the unigram experiments we observe a ... ing Algorithm Based on Latent **Semantic** Analysis", Proc ... J. Peters: "**Document Clustering** for the Improve- ment ...

Cited by 14 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Learning in intelligent information retrieval - group of 2 »

DD Lewis - Proceedings of the Eighth International Workshop on Machine ..., 1991 - citeseer.ist.psu.edu

... Gauch Department (1992) (Correct) **Similar** documents based ... trends in hierarchic **document clustering**: A critical ... 29 Indexing by latent **semantic** indexing (context ...

Cited by 25 - [Related Articles](#) - [Cached](#) - [Web Search](#)

HyPursuit: a hierarchical network search engine that exploits content-link hypertext clustering - group of 8 »

R Weiss, B Vélez, MA Sheldon - Proceedings of the the seventh ACM conference on Hypertext, 1996 - portal.acm.org

... system must impose some **semantic** organization on ... hypothesize that incorporating both will improve **document clustering**. ... mation retrieval services **similar** to the ...

Cited by 153 - [Related Articles](#) - [Web Search](#)

[book] Automatic text processing: the transformation, analysis, and retrieval of information by computer - group of 2 »

G Salton - 1989 - Addison-Wesley Longman Publishing Co., Inc. Boston, MA, USA

Cited by 2612 - [Related Articles](#) - [Web Search](#) - [Library Search](#)

[book] Information retrieval: data structures and algorithms - group of 2 »

WB Frakes, R Baeza-Yates - 1992 - Prentice-Hall, Inc. Upper Saddle River, NJ, USA

Cited by 1077 - [Related Articles](#) - [Web Search](#) - [Library Search](#)

Using Machine Learning to Improve Information Access - group of 2 »

M Sahami - 1998 - citeseer.ist.psu.edu

... Approach to Full-Text **Document Clustering** - Goldszmidt, Sahami ... (1998) (Correct) **Similar** documents based on ... 547 Indexing by latent **semantic** analysis - Deerwester ...

Cited by 59 - [Related Articles](#) - [Cached](#) - [Web Search](#) - [Library Search](#)

Document expansion for speech retrieval - group of 9 »

A Singhal, F Pereira - Proceedings of the 22nd annual international ACM SIGIR ..., 1999 - portal.acm.org

... on **document clustering** have given results that are negative to mixed at best 9, 22, 6, 27, 30]. Work on Latent **Semantic** Indexing (LSI) also has a **similar** feel. ...

Cited by 65 - [Related Articles](#) - [Web Search](#)

A multispan language modeling framework for large vocabulary speechrecognition - group of 3 »

JR Bellegarda - Speech and Audio Processing, IEEE Transactions on, 1998 - [ieeexplore.ieee.org](#)
 ... contain a **similar** pattern of words from the ... words are used in increasingly different **semantic** contexts ... B. **Document Clustering** Similarly, expanding using the SVD ...
 Cited by 54 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Automatic thesaurus construction based on grammatical relations

T Tokunaga, M Iwayama, H Tanaka - Proceedings of the 14th International Joint Conference on ..., 1995 - [citeseer.ist.psu.edu](#)
 ... Areas Natural (Correct) **Similar** documents based ... 4: Automatic Learning for **Semantic** Collocation - Sekine ... trends in hierarchic **document clustering**: A critical ...
 Cited by 29 - [Related Articles](#) - [Cached](#) - [Web Search](#) - [BL Direct](#)

User-oriented **document clustering**: a framework for learning in information retrieval - group of 2 »

JS Deogun, VV Raghavan - Proceedings of the 9th annual international ACM SIGIR ..., 1986 - [portal.acm.org](#)
 ... A two phase schems for **document clustering**, whose results reflect the "conceptual" clusters that ... where the objects within a class are more **similar** to each ...
 Cited by 17 - [Related Articles](#) - [Web Search](#)

Document clustering in reduced dimension vector space - group of 2 »

K Lerman - **Document clustering** in reduced dimension vector space, 1999 - [isi.edu](#)
 ... We investigate the use of Latent **Semantic** Analysis to ... the same cluster are more **similar** to one ... field of information retrieval (IR), **document clustering** is used ...
 Cited by 6 - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

Internet Categorization and Search: A Self-Organizing Approach - group of 5 »

H Chen, C Schuffels, R Orwig - Journal of Visual Communication and Image Representation, 1996 - [ai.bpa.arizona.edu](#)
 ... algorithm developed by MacLeod was used for **document clustering**. ... in a hybrid neural-**semantic** network ... Both methods achieved **similar** performance, but the Hopfield ...
 Cited by 119 - [Related Articles](#) - [Cached](#) - [Web Search](#) - [BL Direct](#)

[PS] Enhancing performance in latent **semantic** indexing (LSI) retrieval - group of 10 »

ST Dumais - Bellcore (Bell Communications Research) document TM-ARH, 1990 - [mathe.tu-freiberg.de](#)
 ... sometimes been used for term and **document clustering** (Sparck Jones ... represent a wide range of **semantic** relations; (2 ... that have employed techniques **similar** to SVD ...
 Cited by 24 - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

Story segmentation and topic detection in the broadcast news domain - group of 5 »

S Dharanipragada, M Franz, JS McCarley, S Roukos, ... - Proceedings of the DARPA Broadcast News Workshop, 1999 - [cs.columbia.edu](#)
 ... is based on left and right window **semantic** over- lap ... in the rst stage: a **similar** document-similarity ... retrieval based approach to **document clustering** that incorpo ...
 Cited by 12 - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

Clustering algorithms

E Rasmussen - Information retrieval: data structures and algorithms table ..., 1992 - [portal.acm.org](#)
 ... and Actions: Discussions Find **similar** Articles Review ... Zamir, Oren Etzioni, **Web document clustering**: a feasibility ... Concept Spaces for **Semantic** Retrieval: The ...
 Cited by 232 - [Related Articles](#) - [Web Search](#)

[PS] Exploration of document collections with self-organizing maps: A novel approach to similarity ... - group of 6 »

D Merkl - Proceedings of the European Symposium on Principles of Data ..., 1997 - ifs.tuwien.ac.at
 ... The usage of cluster analysis for **document clustering** has a ... retrieval is the hypothesis that **similar** documents tend ... is to uncover the **semantic** similarities be ...
 Cited by 15 - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

[PS] Story Segmentation and Topic Detection for Recognized Speech

S Dharanipragada, M Franz, JS McCarley, S Roukos, ... - Proceedings of the Sixth European Conference on Speech ..., 1999 - data.cstr.ed.ac.uk
 ... on left and right window **semantic** overlap, estimated ... in the rst stage: a **similar** document-similarity ... based ap- proach to **document clustering** that incorporates ...
 Cited by 10 - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

Scatter/gather browsing communicates the topic structure of a very large text collection - group of 5 »

P Pirolli, P Schank, M Hearst, C Diehl - Proceedings of the SIGCHI conference on Human factors in ..., 1996 - portal.acm.org
 ... **DOCUMENT CLUSTERING** IN SCATTER/GATHER. ... was used to lay out a kind of **semantic** space for ... On average, SGS and SGR participants' diagrams were more **similar** to each ...
 Cited by 112 - [Related Articles](#) - [Web Search](#)

Exploiting clustering and phrases for context-based information retrieval - group of 2 »

PG Anick, S Vaithyanathan - ACM SIGIR Forum, 1997 - portal.acm.org
 ... In a **similar** vein, users of Digital ... l%erefore, most previous **document clustering** experiments have been ... in the context of Latent **Semantic** Indexing [DEERWESTER90 ...
 Cited by 62 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

[PS] Scatter/gather as a tool for the navigation of retrieval results - group of 5 »

MA Hearst, DR Karger, JO Pedersen - Working Notes of the AAAI Fall Symposium on AI Applications ..., 1995 - parcfp.xerox.com
 ... The **document clustering** algorithm is optimized for speed, to encourage ... display, and documents that are **similar** to the ... term indexing to **semantic** hyperindexing. ...
 Cited by 28 - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

A statistical language modeling approach integrating local and global constraints

JR Bellegarda - Automatic Speech Recognition and Understanding, 1997. ..., 1997 - ieeexplore.ieee.org
 ... see also [8] for an illustration of **document clustering**. ... and fail to reflect the overall **semantic** fabric of d"ql ... **Similar** observations can be made for the models ...
 Cited by 8 - [Related Articles](#) - [Web Search](#)

[book] Information Retrieval - group of 3 »

CJ Van Rijsbergen - 1979 - Butterworth-Heinemann Newton, MA, USA
 ... A model of a **document-clustering**-based information ... Fabio Crestani, Using **semantic** and phonetic term ... software libraries by browsing **similar** classes, functions ...
 Cited by 2438 - [Related Articles](#) - [Web Search](#) - [Library Search](#)

Evaluation of an inference network-based retrieval model - group of 3 »

H Turtle, WB Croft - ACM Transactions on Information Systems (TOIS), 1991 - portal.acm.org
 ... functions, including browsing [38], **document clustering** [7], spreading activa- ... The techniques required to support these kinds of inference are **similar** to ...
 Cited by 284 - [Related Articles](#) - [Web Search](#)

Lexical analysis and stoplists

C Fox - Information retrieval: data structures and algorithms table ..., 1992 - portal.acm.org
 ... and Actions: Discussions Find **similar** Articles Review ... Lee, A semi-supervised **document clustering** technique for ... Jorge Cardoso, Amit Sheth, **Semantic** E-Workflow ...
 Cited by 96 - [Related Articles](#) - [Web Search](#)

A study of retrospective and on-line event detection - group of 7 »

Y Yang, T Pierce, J Carbonell - Proceedings of the 21st annual international ACM SIGIR ..., 1998 - portal.acm.org

... **semantic** and temporal properties of events; **document** ... temporal proximity as a criterion for **document clustering**. ... between bursts of topically **similar** stories ...

[Cited by 122](#) - [Related Articles](#) - [Web Search](#)

VAGUE: a user interface to relational databases that permits vague queries - group of 3 »

A Motro - ACM Transactions on Information Systems (TOIS), 1988 - portal.acm.org

... it can be used as evidence that two differently named attributes are **similar**. ... to store these **semantics**; for example, some variant of a **semantic** network with a ...

[Cited by 135](#) - [Related Articles](#) - [Web Search](#)

Document clustering: before and after the singular value decomposition

M Hasan, Y Masumoto - Information Processing Society of Japan, Natural Language ..., 1999 - bangladoot.co.uk

... **Document Clustering** is an issue of measuring similarity between documents and grouping **similar** documents together ... Latent **Semantic** Indexing, an efficient vector ...

[Cited by 3](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

Generating document clusters using thesauri and neural networks

J Farkas - Electrical and Computer Engineering, 1994. Conference ..., 1994 - ieeexplore.ieee.org

... for the classification of lexically **similar** natural language ... to construct a self-organizing **semantic** map for ... relative to a targeted **document clustering** on the ...

[Cited by 5](#) - [Related Articles](#) - [Web Search](#)

Watson: Anticipating and contextualizing information needs - group of 3 »

J Budzik, K Hammond - Proceedings of the Sixty-second Annual Meeting of the ..., 1999 - cs.ualberta.ca

... for recommendation and for **document clustering** (such as ... to query contextualization is **similar** to techniques ... such a representation with **semantic** knowledge of a ...

[Cited by 67](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

A knowledge-based approach to organizing retrieved documents - group of 11 »

W Pratt, MA Hearst, L Fagan - Proceedings of AAAI, 1999 - ischool.washington.edu

... **Document-clustering** systems create groups of documents based ... results, their query abstractions are **similar** to those ... general concept, called a **semantic** type ...

[Cited by 36](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

[book] Machine Learning - group of 4 »

TM Mitchell - 1997 - McGraw-Hill Higher Education

... Tools and Actions: Discussions Find **similar** Books Review ... goo Lee, An effective **document clustering** method using ... Koopman, Mary Shaw, **Semantic** anomaly detection ...

[Cited by 4928](#) - [Related Articles](#) - [Web Search](#) - [Library Search](#)

A model of a document-clustering-based information retrieval system with a Boolean search request ...

T Radecki - Proceedings of the 3rd annual ACM conference on Research and ..., 1980 - portal.acm.org

... As is usual in **similar** cases, the selection of ... 340 A model of a **document-clustering**-based information ... index terms, of the existence of **semantic** relations, etc. ...

[Cited by 5](#) - [Related Articles](#) - [Web Search](#)

Dynamic organization of search results using the UMLS - group of 9 »

W Pratt - American Medical Informatics Association Fall Symposium, 1997 - softlab.ntua.gr

... among documents, clustering requires a **similar**-ity metric ... criteria would specify a **semantic** type of ... Recent trends in hierarchic **document clustering**: a critical ...

[Cited by 24](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

[BOOK] A Survey of Information Retrieval and Filtering Methods - group of 29 »

C Faloutsos, DW Oard - 1995 - ai.mit.edu

... methods, including the 'Latent **Semantic Indexing**' method ... Grouping **similar** documents accelerates the searching ... pattern recognition is not on **document clustering**, ...Cited by 123 - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [Library Search](#)The shape of Shakespeare: visualizing text using implicit surfaces - group of 16 »

RM Rohrer, DS Ebert, JL Sibert - Information Visualization, 1998. Proceedings. IEEE Symposium ..., 1998 - ieeexplore.ieee.org

... that attempt to use words **semantics** to guide ... This technique employs a common **document clustering** algorithm and uses ... clusters of documents deemed to be **similar**. ...Cited by 21 - [Related Articles](#) - [Web Search](#)Contextualizing the information space in federated digital libraries - group of 6 »

MP Papazoglou, J Hoppenbrouwers - ACM SIGMOD Record, 1999 - portal.acm.org

... organization as the Topic-based **Document Clustering** Architecture (TopicA ... Give me all documents **similar** to author ... of lexical, structural and **semantic** aspects of ...Cited by 9 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)The Indexing and Retrieval of Document Images: A Survey - group of 15 »

D Doermann - COMPUT VISION IMAGE UNDERSTANDING, 1998 - spikes51.student.umd.edu

... approach to **document clustering** for browsing document collections. ... searching a document is **similar** to a decision ... structure or using logical (**semantic**) structure ...Cited by 83 - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [Library Search](#) - [BL Direct](#)Deriving concept hierarchies from text - group of 10 »

M Sanderson, B Croft - Proceedings of the 22nd annual international ACM SIGIR ..., 1999 - portal.acm.org

... **Document clustering** is based on finding document wide ... in the hierarchies were all from **similar** documents retrieved by ... Doyle LB (1961): **Semantic Road Maps** for ...Cited by 179 - [Related Articles](#) - [Web Search](#)A Parallel Computing Approach - group of 10 »

H Chen, B Schatz, T Ng, J Martinez - IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE ..., 1996 - cis.uab.edu

... Some algorithms, however, perform cluster analysis to further group terms of **similar** meanings [32]. Other algorithms, such as latent **semantic** indexing 1191 ...Cited by 79 - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [BL Direct](#)Building a Japanese parsed corpus while improving the parsing system - group of 2 »

S Kurohashi, M Nagao - Proceedings of the NLPRS, 1997 - citeseer.ist.psu.edu

... van Noord (1992) (Correct) **Similar** documents based on ... of Japanese Nominal **Semantic** Dictionary - Using ... Correct) An Efficient **Document Clustering** Algorithm based ...Cited by 62 - [Related Articles](#) - [Cached](#) - [Web Search](#)Intranet indexing using **semantic document clustering** - group of 5 »

P Ljungstrand, H Johansson - Retrieved, 1998 - handels.gu.se

... using **semantic document clustering** _____ ... to **similar** sites ...Cited by 1 - [Related Articles](#) - [View as HTML](#) - [Web Search](#)Output ranking methodology for **document-clustering**-based Boolean retrieval systems

T Radecki - Proceedings of the 8th annual international ACM SIGIR ..., 1985 - portal.acm.org

... in decreasing order of their **similar**-ity to ... Therefore, the indirect approach to **document clustering** 71 ... are largely syntactic in nature rather than **semantic**). ...Cited by 2 - [Related Articles](#) - [Web Search](#)[PS] A comparative study on feature selection in text categorization - group of 9 »

Y Yang, JO Pedersen - Proceedings of the Fourteenth International Conference on ..., 1997 - cs.cmu.edu
 ... Yang & Wilbur [28] used **document clustering** techniques to estimate probabilistic
 term strength", and used it to reduce the ... **similar** to the IG computation. ...
[Cited by 902](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

Automatic acquisition of phrasal knowledge for English-Chinese bilingual information retrieval - group of 3 »

MJ Lee, LF Chien - Proceedings of the 21st annual international ACM SIGIR ..., 1998 - portal.acm.org
 ... assumed to be complete in **semantics** will be ... for English-Chinese comparable texts:
similar documents clustering ... In the step of **document clustering**, each English ...
[Cited by 3](#) - [Related Articles](#) - [Web Search](#)

A lattice conceptual clustering system and its application to browsing retrieval - group of 7 »

C Carpineto, G Romano - Machine Learning, 1996 - Springer
 ... This kind of structure is **similar** to that produced by most hierarchical conceptual
 clustering systems, with the important difference that, typically, it must ...
[Cited by 114](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

A learning technique for legal document analysis - group of 2 »

E Schweighofer, D Merkl - Proceedings of the seventh international conference on ..., 1999 - portal.acm.org
 ... **Similar** to our approach, the authors rely on self ... of self-organising maps for legal
document clustering in 1431. ... **Semantic** search and **semantic** categorization. ...
[Cited by 8](#) - [Related Articles](#) - [Web Search](#)

The TaxGen framework: automating the generation of a taxonomy for large document collection

A Muller, J Dorre, P Gerstl, R Seiffert - System Sciences, 1999. HICSS-32. Proceedings of the 32nd ..., 1999
 - ieeexplore.ieee.org
 ... where the sub-clusters have **similar** top-frequent ... always navigate within a **semantic**
 context, showing ... Recent Trends in hierarchic **document clustering**: a critical ...
[Cited by 7](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

THE ROLE OF SEMANTIC LOCALITY IN HIERARCHICAL DISTRIBUTED DYNAMIC INDEXING AND INFORMATION RETRIEVAL - group of 3 »

FD BOUSKILA - 1999 - cse.lehigh.edu
 ... It is different from **document clustering** because clusters are not actually formed ...
 hierarchy, **semantic** locality enables tracking of **similar** topics across ...
[Cited by 3](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [Library Search](#)

Automated Assignment of Medical Subject Headings - group of 7 »

SJ Nelson, AR Aronson, TE Doszkocs, WJ Wilbur, O ... - Journal of the American Medical Informatics
 Association, ..., 1999 - mor.nlm.nih.gov
 ... This method depends on the assumption that the **semantic** neighbors of ... MeSH descriptors
 assigned to **similar** documents are then assigned to the test **document**. ...
[Cited by 1](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

An overview of DR-LINK and its approach to document filtering - group of 3 »

ED Liddy, W Paik, ES Yu, KA McVeary - Proceedings of the workshop on Human Language Technology,
 1993 - acl.ldc.upenn.edu
 ... 5. **DOCUMENT CLUSTERING** USING SUBJECT FIELD CODES ... about the same or very **similar** topics
 have ... system's performance with which this **semantic**-based document filter ...
[Cited by 1](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

Neural navigation interfaces for Information Retrieval: Are they more than an appealing idea? - group of 4 »

J Zavrel - Artificial Intelligence Review, 1996 - Springer

... We take the stance that **semantic** maps can only be useful for IR if they perform on levels of ... **Document clustering** means that **similar** documents in a ...
 Cited by 15 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

An Evaluation of Automatically Constructed Hypertexts for Information Retrieval - group of 5 »

M Melucci - Information Retrieval, 1999 - Springer
 ... nodes storing data with a **semantic** content that ... to the previous work on **document clustering** and cluster ... words, ranking both retrieved and **similar** documents by ...
 Cited by 3 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Mediated Access: a Novel Technique for Searching the World Wide Web.

M Mechkour, DJ Harper, G Muresan - Information Systems, 1980 - visualize.uk.com
 ... 6, 7], to extract automatically the **semantic** structure of ... Using **document clustering** allows us to transpose this structure ... from the web that are **similar** to it. ...
 Cited by 1 - [Related Articles](#) - [Cached](#) - [Web Search](#)

Web Page Categorization and Feature Selection Using Association Rule and Principal Component ... - group of 3 »

D Boley, M Gini, R Gross, K Hastings, G Karypis, V ... - 7th Workshop on Information Technologies and System (WITS' ..., 1997 - www-users.cs.umn.edu
 ... In **document clustering**, each document corresponds to an item ... example, HyPursuit 22 uses **semantic** information embedded ... be used in nding **similar** HTML documents ...
 Cited by 1 - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

En route to data mining in legal text corpora: clustering, neuralcomputation, and international ... - group of 9 »

D Merkl, E Schweighofer - Database and Expert Systems Applications, 1997. Proceedings. ..., 1997 - ieeexplore.ieee.org
 ... 3 we give the details of the neural network we used for **document clustering**. ... there exists high need for efficient methods of clus- tering **similar** documents. ...
 Cited by 2 - [Related Articles](#) - [Web Search](#)

Meeting the needs of the collaborative information society through targeted information retrieval - group of 3 »

T Dietinger, C Gütl, M Pivec - IS99 and Proceedings of the International Multi-conference ..., 1999 - iicm.edu
 ... the contacts between people who are sharing **similar** interests, opinions ... The **semantic** transport of information can be seen as a social ... **DOCUMENT CLUSTERING SYSTEM** ...
 Cited by 1 - [Related Articles](#) - [Cached](#) - [Web Search](#)

A graphical, self-organizing approach to classifying electronic meeting output - group of 10 »

RE Orwig, H Chen, JF Nunamaker... - Journal of the American Society for Information Science, 1997 - doi.wiley.com
 ... logical analysis, syntactic analysis, **semantic** analysis, dis- ... Using these techniques, classes of **similar** objects are basically ... is used for **document clustering**. ...
 Cited by 57 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Web mining: knowledge discovery on the Web - group of 2 »

W Jicheng, H Yuan, W Gangshan, Z Fuyan - Systems, Man, and Cybernetics, 1999. IEEE SMC'99 Conference ..., 1999 - ieeexplore.ieee.org
 ... of Web text mining are **similar** to mining ... size, document type etc, while **semantic** metadata include ... d) **Document Clustering Agent (DCLA)**: DCLA can group documents ...
 Cited by 12 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

[PS] ON-LINE NEW EVENT DETECTION, CLUSTERING, AND TRACKING - group of 3 »
 RON PAPKA - 1999 - historical.ncstrl.org
 ... The new event detection process nds the stories with which to seed a **document clustering** algorithm. ... Popper's denitions are **similar** to those used by other ...
[Cited by 22](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [Library Search](#)

A client-side Web agent for document categorization Daniel Boley, Maria Gini, Kyle Hastings, Bamshad ... - group of 4 »
 D Boley - Internet Research: Electronic Networking Applications and ..., 1998 - emeraldinsight.com
 ... of the existing approaches to **document clustering** are based on ... Weiss et al., 1996) uses **semantic** information embedded ... be used in finding **similar** HTML documents ...
[Cited by 2](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Using Kohonen maps to determine document similarity - group of 4 »
 J Farkas - Proceedings of the 1994 conference of the Centre for ..., 1994 - portal.acm.org
 ... neural networks for clustering se- mantically **similar** documents. ... algorithms to achieve a **semantic** grouping of ... relative to a targeted **document clustering** on the ...
[Related Articles](#) - [Web Search](#)

Automatic word sense discrimination - group of 6 »
 H Schütze - Computational Linguistics, 1998 - portal.acm.org
 ... Miller and Charles (1991) found evidence in several experiments that humans determine the **semantic** similarity of words from the **similar-** ity of the contexts ...
[Cited by 100](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Abstracting of legal cases: The potential of clustering based on the selection of representative ... - group of 5 »
 MF Moens, C Uyttendaele, J Dumortier - Journal of the American Society for Information Science, 1999 - doi.wiley.com
 ... predictable, and the cases are processed based upon a **semantic** representation of ... clustering algorithms have been em- ployed for grouping **similar** documents on ...
[Cited by 22](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

[PS] Clustering of Web Users Based on Access Patterns - group of 9 »
 Y Fu, K Sandhu, MY Shih - Proceedings of the 1999 KDD Workshop on Web Mining, 1999 - acm.org
 ... parent node is split in a **similar** way if ... should be constructed according to the **semantics** of the pages, eg, by using a **document clustering** or categorization ...
[Cited by 74](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

LyberWorld—a visualization user interface supporting fulltext retrieval - group of 2 »
 M Hemmje, C Kunkel, A Willett - Proceedings of the 17th annual international ACM SIGIR ..., 1994 - portal.acm.org
 ... amount by the current context space and **similar** iterations may ... RelevanceSpheres - Relevance Feedback and **Document Clustering**: To support relevance judgement, a ...
[Cited by 147](#) - [Related Articles](#) - [Web Search](#)

Context Vector-Based Text Retrieval
 WR Caid, JL Carleton - Proceedings 4th IEEE Dual-Use Conference, Utica, NY, May, 1994 - fairisaac.com
 ... for external dictionaries, thesauri or **semantic** networks ... vectors that point in **similar** directions ... for document retrieval, routing, **document clustering** and other ...
[Cited by 3](#) - [Related Articles](#) - [Web Search](#)

The exploration of legal text corpora with hierarchical neural networks: a guided tour in public ... - group of 4 »
 D Merkl, E Schweighofer - Proceedings of the sixth international conference on ..., 1997 - portal.acm.org
 ... the interpretation of legal documents improves the search for **similar** or related ...

3 we give the details of the neural network we used for **document clustering**. ...

[Cited by 16](#) - [Related Articles](#) - [Web Search](#)

[Automatic labeling of self-organizing maps for information retrieval](#) - group of 5 »

D Merkl, A Rauber - Neural Information Processing, 1999. Proceedings. ICONIP'99. ..., 1999 - [ieeexplore.ieee.org](#)

... two-dimensional map display. Hence, **similar** documents may be found in neighboring regions of the map display. Many of the above ...

[Cited by 21](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

[Clustering in a highdimensional space using hypergraph models](#) - group of 4 »

EH Han, G Karypis, V Kumar, B Mobasher - Bulletin of the Technical Committee on Data Engineering, ..., 1998 - [maya.cs.depaul.edu](#)

... m. Latent **Semantic** Indexing (LSI) [BDO95] is a dimensionality reduction technique extensively used in information retrieval domain and is **similar** in nature to ...

[Cited by 27](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

[book] [Script recognition with hierarchical feature maps](#) - group of 3 »

R Miikkulainen - 1989 - [citeseer.ist.psu.edu](#)

... vol.. - **Document Clustering**.. ... Miikkulainen (1991) (Correct) **Similar** documents based on ... (context) - Cullingford - 1978 28 Implementing **semantic** networks in ...

[Cited by 74](#) - [Related Articles](#) - [Cached](#) - [Web Search](#) - [Library Search](#)

[DEPICT: Documents Evaluated as Pictures. Visualizing information using context vectors and self- ...](#) - group of 4 »

DA Rushall, MR Ilgen - Information Visualization'96, Proceedings IEEE Symposium on, 1996 - [ieeexplore.ieee.org](#)

... representations that encode the **semantic** content of ... content will point in **similar** directions. ... document retrieval, routing, **document clustering** (self organizing ...

[Cited by 17](#) - [Related Articles](#) - [Web Search](#)

[An automatic indexing and neural network approach to concept retrieval and classification of ...](#) - group of 4 »

CH Lin, H Chen - Systems, Man and Cybernetics, Part B, IEEE Transactions on, 1996 - [ieeexplore.ieee.org](#)

... stop word list is then used to remove non-**semantic** bearing words ... Linking **Similar** Concepts: While automatic indexing identifies vocabularies used by different ...

[Cited by 29](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

[A retrieval model incorporating hypertext links](#) - group of 3 »

WB Croft, H Turtle - Proceedings of the second annual ACM conference on Hypertext, 1989 - [portal.acm.org](#)

... **Document clustering**, for example, is a retrieval model ... a hypertext network is **similar** to advanced ... Spread- ing Activation in **Semantic Networks**", Information ...

[Cited by 90](#) - [Related Articles](#) - [Web Search](#)

[Enabling concept-based relevance feedback for information retrieval on the WWW](#) - group of 5 »

CH Chang, CC Hsu - Knowledge and Data Engineering, IEEE Transactions on, 1999 - [ieeexplore.ieee.org](#)

... upper bound performance in lexical-**semantic** expansion ... The feasibility of **document clustering** is based on ... hypothesis which states that **similar** documents are ...

[Cited by 45](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

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Relevance scale ☐ ☐ ☐ ☐ ☐**1** [Output ranking methodology for document-clustering-based Boolean retrieval](#)[systems](#)

Tadeusz Radecki

June 1985 **Proceedings of the 8th annual international ACM SIGIR conference on
Research and development in information retrieval**

Publisher: ACM Press

Full text available: [pdf\(649.81 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#)**2** [Conceptual schema analysis: techniques and applications](#)

S. Castano, V. De Antonellis, M. G. Fugini, B. Pernici

September 1998 **ACM Transactions on Database Systems (TODS)**, Volume 23 Issue 3

Publisher: ACM Press

Full text available: [pdf\(350.09 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

The problem of analyzing and classifying conceptual schemas is becoming increasingly important due to the availability of a large number of schemas related to existing applications. The purposes of schema analysis and classification activities can be different: to extract information on intensional properties of legacy systems in order to restructure or migrate to new architectures; to build libraries of reference conceptual components to be used in building new applications in a given domain ...

Keywords: conceptual modeling, reference components, schema classification, schema similarity

3 [Using Kohonen maps to determine document similarity](#)

Jennifer Farkas

October 1994 **Proceedings of the 1994 conference of the Centre for Advanced Studies
on Collaborative research**

Publisher: IBM Press

Full text available: [pdf\(575.72 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In this paper we present some experimental results on the classification of natural language documents using Kohonen's self-organizing-map neural network paradigm. We discuss, in particular, how the classification accuracy can be improved if the standard

keyword representation of documents is enhanced by including specific weights, thesaurally-defined relations among keywords, and additional synonyms for keywords. We sketch the main features of a prototype of an automatic document classification ...

4 A study of retrospective and on-line event detection



Yiming Yang, Tom Pierce, Jaime Carbonell

August 1998 **Proceedings of the 21st annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: ACM Press

Full text available: [pdf\(1.05 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

5 A model of a document-clustering-based information retrieval system with a Boolean search request formulation

Tadeusz Radecki

June 1980 **Proceedings of the 3rd annual ACM conference on Research and development in information retrieval**

Publisher: Butterworth & Co.

Full text available: [pdf\(562.73 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#)

6 Document retrieval and text retrieval: An overview of DR-LINK and its approach to document filtering

Elizabeth D. Liddy, Woojin Paik, Edmund S. Yu, Kenneth A. McVearry

March 1993 **Proceedings of the workshop on Human Language Technology HLT '93**

Publisher: Association for Computational Linguistics

Full text available: [pdf\(409.85 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

DR-LINK is an information retrieval system, complex in design and processing, with the potential for providing significant advances in retrieval results due to the range and richness of semantic representation done by the various modules in the system. By using a full continuum of linguistic-conceptual processing, DR-LINK has the capability of producing documents which precisely match users' needs. Each of DR-LINK's six processing modules add to the conceptual enhancement of the document and que ...

7 Exploration of text collections with hierarchical feature maps



Dieter Merkl

July 1997 **ACM SIGIR Forum , Proceedings of the 20th annual international ACM SIGIR conference on Research and development in information retrieval SIGIR '97**, Volume 31 Issue SI

Publisher: ACM Press

Full text available: [pdf\(1.65 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

8 Using latent semantic analysis to improve access to textual information



S. T. Dumais, G. W. Furnas, T. K. Landauer, S. Deerwester, R. Harshman

May 1988 **Proceedings of the SIGCHI conference on Human factors in computing systems**

Publisher: ACM Press

Full text available: [pdf\(621.24 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes a new approach for dealing with the vocabulary problem in human-computer interaction. Most approaches to retrieving textual materials depend on a lexical

match between words in users' requests and those in or assigned to database objects. Because of the tremendous diversity in the words people use to describe the same object, lexical matching methods are necessarily incomplete and imprecise [5]. The latent semantic indexing approach tries to overcome these problems by a ...

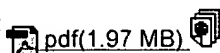
9 Special issue on word sense disambiguation: Automatic word sense discrimination

Hinrich Schütze

March 1998 **Computational Linguistics**, Volume 24 Issue 1

Publisher: MIT Press

Full text available:



Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

[Publisher Site](#)

This paper presents context-group discrimination, a disambiguation algorithm based on clustering. Senses are interpreted as groups (or clusters) of similar contexts of the ambiguous word. Words, contexts, and senses are represented in Word Space, a high-dimensional, real-valued space in which closeness corresponds to semantic similarity. Similarity in Word Space is based on second-order co-occurrence: two tokens (or contexts) of the ambiguous word are assigned to the same sense cluster if the wo ...


10 Term clustering of syntactic phrases



D. D. Lewis, W. B. Croft

December 1989 **Proceedings of the 13th annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: ACM Press

Full text available:  pdf(1.62 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Term clustering and syntactic phrase formation are methods for transforming natural language text. Both have had only mixed success as strategies for improving the quality of text representations for document retrieval. Since the strengths of these methods are complementary, we have explored combining them to produce superior representations. In this paper we discuss our implementation of a syntactic phrase generator, as well as our preliminary experiments with producing phrase clusters. Th ...

11 Information retrieval using a singular value decomposition model of latent semantic structure



G. W. Furnas, S. Deerwester, S. T. Dumais, T. K. Landauer, R. A. Harshman, L. A. Streeter, K. E. Lochbaum

May 1988 **Proceedings of the 11th annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: ACM Press

Full text available:  pdf(1.35 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In a new method for automatic indexing and retrieval, implicit higher-order structure in the association of terms with documents is modeled to improve estimates of term-document association, and therefore the detection of relevant documents on the basis of terms found in queries. Singular-value decomposition is used to decompose a large term by document matrix into 50 to 150 orthogonal factors from which the original matrix can be approximated by linear combination; both documents and terms ...


12 What the query told the link: the integration of hypertext and information retrieval



Gene Golovchinsky

April 1997 **Proceedings of the eighth ACM conference on Hypertext**

Publisher: ACM Press

Full text available:  pdf(825.12 KB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: browsing, dynamic hypertext, information exploration, information retrieval, newspaper metaphor, relevance feedback

13 Projections for efficient document clustering



Hinrich Schütze, Craig Silverstein

July 1997 **ACM SIGIR Forum , Proceedings of the 20th annual international ACM SIGIR conference on Research and development in information retrieval SIGIR '97**, Volume 31 Issue SI

Publisher: ACM Press

Full text available: [pdf\(1.26 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

14 User-oriented document clustering: a framework for learning in information retrieval



J. S. Deogun, V. V. Raghavan

September 1986 **Proceedings of the 9th annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: ACM Press

Full text available: [pdf\(776.71 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

In information retrieval, cluster analysis is an important tool employed to enhance both efficiency and effectiveness of the retrieval process. Most clustering algorithms have difficulty in reflecting the closeness of documents as perceived by the user. A two phase scheme for document clustering, whose results reflect the "conceptual" clusters that are perceived by the user of the retrieval system, is proposed. Since the clusters obtained by this scheme are not characterized in ...

15 Optimal determination of user-oriented clusters



J. Deogun, V. Raghavan

November 1987 **Proceedings of the 10th annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: ACM Press

Full text available: [pdf\(632.90 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

User-oriented clustering schemes enable the classification of documents based upon the user perception of the similarity between documents, rather than on some similarity function presumed by the designer to represent the user criteria. In this paper, an enhancement of such a clustering scheme is presented. This is accomplished by the formulation of the user-oriented clustering as a function-optimization problem. The problem formulated is termed the Boundary Selection Problem (BSP). Heurist ...

16 Abstracts of Articles in the Information Retrieval Area Selected by Gerard Salton



September 1986 **ACM SIGIR Forum**, Volume 21 Issue 1-2

Publisher: ACM Press

Full text available: [pdf\(1.10 MB\)](#) Additional Information: [full citation](#)


17 HyPursuit: a hierarchical network search engine that exploits content-link hypertext clustering



Ron Weiss, Bienvenido Vélez, Mark A. Sheldon

March 1996 **Proceedings of the the seventh ACM conference on Hypertext**

Publisher: ACM Press

Full text available:  [pdf\(2.00 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)


18 Contextualizing the information space in federated digital libraries



M. P. Papazoglou, J. Hoppenbrouwers

March 1999 **ACM SIGMOD Record**, Volume 28 Issue 1

Publisher: ACM Press

Full text available:  [pdf\(695.20 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

Rapid growth in the volume of documents, their diversity, and terminological variations render federated digital libraries increasingly difficult to manage. Suitable abstraction mechanisms are required to construct meaningful and scalable document clusters, forming a cross-digital library information space for browsing and semantic searching. This paper addresses the above issues, proposes a distributed semantic framework that achieves a logical partitioning of the information space accordi ...


19 Structuring and visualising the WWW by generalised similarity analysis



Chaomei Chen

April 1997 **Proceedings of the eighth ACM conference on Hypertext**

Publisher: ACM Press

Full text available:  [pdf\(962.97 KB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: WWW, information visualisation, pathfinder networks, sequential behavioural patterns, structural analysis


20 VAGUE: a user interface to relational databases that permits vague queries



Amihai Motro

July 1988 **ACM Transactions on Information Systems (TOIS)**, Volume 6 Issue 3

Publisher: ACM Press

Full text available:  [pdf\(2.16 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

A specific query establishes a rigid qualification and is concerned only with data that match it precisely. A vague query establishes a target qualification and is concerned also with data that are close to this target. Most conventional database systems cannot handle vague queries directly, forcing their users to retry specific queries repeatedly with minor modifications until they match data that are satisfactory. This article describes a system called VAGUE that can handle vague queries ...

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Relevance scale ☐ ☐ ☐ ☐ ☐21 [An interface for navigating clustered document sets returned by queries](#)

Robert B. Allen, Pascal Obry, Michael Littman

December 1993

Proceedings of the conference on Organizational computing systems**Publisher:** ACM PressFull text available: [pdf\(571.98 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**Keywords:** clustering, information retrieval, interfaces22 [Abstracting of legal cases: the SALOMON experience](#)

Marie-Francine Moens, Caroline Uyttendaele, Jos Dumortier

June 1997

Proceedings of the 6th international conference on Artificial intelligence and law**Publisher:** ACM PressFull text available: [pdf\(1.24 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)23 [Generation and search of clustered files](#)

G. Salton, A. Wong

December 1978 **ACM Transactions on Database Systems (TODS)**, Volume 3 Issue 4**Publisher:** ACM PressFull text available: [pdf\(1.78 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

A classified, or clustered file is one where related, or similar records are grouped into classes, or clusters of items in such a way that all items within a cluster are jointly retrievable. Clustered files are easily adapted to broad and narrow search strategies, and simple file updating methods are available. An inexpensive file clustering method applicable to large files is given together with appropriate file search methods. An abstract model is then introduced to predict the retrieval ...

Keywords: automatic classification, cluster searching, clustered files, fast classification, file organization, probabilistic models

24 Information retrieval theory and design based on a model of the user's concept relations

Matthew B. Koll

June 1980 **Proceedings of the 3rd annual ACM conference on Research and development in information retrieval**

Publisher: Butterworth & Co.

Full text available:  [pdf\(753.08 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#)




25 The use of cluster hierarchies in hypertext information retrieval



D. B. Crouch, C. J. Crouch, G. Andreas

November 1989 **Proceedings of the second annual ACM conference on Hypertext**

Publisher: ACM Press

Full text available:  [pdf\(1.05 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)



The graph-traversal approach to hypertext information retrieval is a conceptualization of hypertext in which the structural aspects of the nodes are emphasized. A user navigates through such hypertext systems by evaluating the semantics associated with links between nodes as well as the information contained in nodes. [Fris88] In this paper we describe an hierarchical structure which effectively supports the graphical traversal of a document collection in a hypertext system ...

26 ABSTRACTS (Chosen by G. Salton from recent issues of journals in the retrieval area.)



January 1988 **ACM SIGIR Forum**, Volume 22 Issue 1-2

Publisher: ACM Press

Full text available:  [pdf\(828.94 KB\)](#) Additional Information: [full citation](#), [abstract](#)



GRANT is an expert system for finding sources of funding given research proposals. Its search method - constrained spreading activation - makes inferences about the goals of the user and thus finds information that the user did not explicitly request but that is likely to be useful. The architecture of GRANT and the implementation of constrained spreading activation are described, and GRANT's performance is evaluated.

27 The personal electronic program guide—towards the pre-selection of individual TV programs



Michael Ehrmantraut, Theo Härder, Hartmut Wittig, Ralf Steinmetz

November 1996 **Proceedings of the fifth international conference on Information and knowledge management**

Publisher: ACM Press

Full text available:  [pdf\(923.87 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)



28 Inference networks for document retrieval



H. Turtle, W. B. Croft

December 1989 **Proceedings of the 13th annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: ACM Press

Full text available:  [pdf\(1.65 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)



The use of inference networks to support document retrieval is introduced. A network-based retrieval model is described and compared to conventional probabilistic and Boolean models.

29 Evaluation of an inference network-based retrieval model

Howard Turtle, W. Bruce Croft

July 1991 **ACM Transactions on Information Systems (TOIS)**, Volume 9 Issue 3

Publisher: ACM Press

Full text available: pdf(2.40 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)**Keywords:** document retrieval, inference networks, network retrieval models**30** A dynamic cluster maintenance system for information retrieval

F. Can, E. Ozkarahan

November 1987 **Proceedings of the 10th annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: ACM Press

Full text available: pdf(937.52 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Partitioning by clustering of very large databases is a necessity to reduce the space/time complexity of retrieval operations. However, the contemporary and modern retrieval environments demand dynamic maintenance of clusters. A new cluster maintenance strategy is proposed and its similarity/stability characteristics, cost analysis, and retrieval behavior in comparison with unclustered and completely reclustered database environments have been examined by means of a series of experi ...

31 Scatter/gather browsing communicates the topic structure of a very large text collection

Peter Pirolli, Patricia Schank, Marti Hearst, Christine Diehl

April 1996 **Proceedings of the SIGCHI conference on Human factors in computing systems: common ground**

Publisher: ACM Press

Full text available: pdf(1.23 MB) html(47.35 KB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**Keywords:** Scatter/Gather, browsing, clustering, information retrieval**32** Effective Automatic Indexing Using Term Addition and Deletion

C. T. Yu, G. Salton, M. K. Siu

April 1978 **Journal of the ACM (JACM)**, Volume 25 Issue 2

Publisher: ACM Press

Full text available: pdf(950.30 KB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**33** Recent trends in automatic information retrieval

Gerard Salton

September 1986 **Proceedings of the 9th annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: ACM Press

Full text available: pdf(1.05 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Substantial successes were achieved in the early years in automatic indexing and retrieval using single term indexing theories with term weight assignments based on frequency considerations. The development of more refined indexing systems using thesaurus aids and automatically constructed term association maps changed the retrieval effectiveness only slightly. The recent introduction of the relevance concept in the form of probabilistic retrieval models provided a firm basis for term weigh ...

34 Adaptive document clustering



C. T. Yu, Y. T. Wang, C. H. Chen

June 1985 **Proceedings of the 8th annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: ACM Press

Full text available: [pdf\(465.87 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#)

35 Experiments with a component theory of probabilistic information retrieval based on single terms as document components



K. L. Kwok

October 1990 **ACM Transactions on Information Systems (TOIS)**, Volume 8 Issue 4

Publisher: ACM Press

Full text available: [pdf\(1.84 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

A component theory of information retrieval using single content terms as component for queries and documents was reviewed and experimented with. The theory has the advantages of being able to (1) bootstrap itself, that is, define initial term weights naturally based on the fact that items are self relevant; (2) make use of within-item term frequencies; (3) account for query-focused and document-focused indexing and retrieval strategies cooperatively; and (4) allow for component-specific fe ...

Keywords: document-focused and query-focused relevance feedback, indexing and retrieval, inverse collection term frequency weighting, inverse document frequency weighting, probabilistic indexing, probabilistic retrieval, ranking and weighting of composite objects

36 Dynamic document processing



Gerard Salton

July 1972 **Communications of the ACM**, Volume 15 Issue 7

Publisher: ACM Press

Full text available: [pdf\(1.07 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)




The current role of computers in automatic document processing is briefly outlined, and some reasons are given why the early promise of library automation and of the mechanization of documentation processes has not been fulfilled. A new dynamic document environment is then outlined in which clustered files are searched and information is retrieved following an interactive user-controlled search process. Methods are described for an automatic query modification based on user needs ...

Keywords: automatic indexing, automatic search and retrieval, collection growth, collection retirement, feedback search, iterative searching, mechanized library processing




37 The exploration of legal text corpora with hierarchical neural networks: a guided tour in public international law






-  Dieter Merkl, Erich Schweighofer
June 1997 **Proceedings of the 6th international conference on Artificial intelligence and law**
Publisher: ACM Press
Full text available:  [pdf\(1.12 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

- 38 [Experiments in automatic statistical thesaurus construction](#) 
 Carolyn J. Crouch, Bokyoung Yang
June 1992 **Proceedings of the 15th annual international ACM SIGIR conference on Research and development in information retrieval**
Publisher: ACM Press
Full text available:  [pdf\(741.19 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

A well constructed thesaurus has long been recognized as a valuable tool in the effective operation of an information retrieval system. This paper reports the results of experiments designed to determine the validity of an approach to the automatic construction of global thesauri (described originally by Crouch in [1] and [2] based on a clustering of the document collection. The authors validate the approach by showing that the use of thesauri generated by this method results in substantial ...

- 39 [Extending the relational algebra to capture less meaning](#) 
 T. H. Merrett
November 1984 **ACM SIGMOD Record**, Volume 14 Issue 3
Publisher: ACM Press
Full text available:  [pdf\(868.35 KB\)](#) Additional Information: [full citation](#), [references](#)

- 40 [An object-oriented modeling of the history of optimal retrievals](#) 
 Yong Zhang, Vijay V. Raghavan, Jitender S. Deogun
September 1991 **Proceedings of the 14th annual international ACM SIGIR conference on Research and development in information retrieval**
Publisher: ACM Press
Full text available:  [pdf\(895.03 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

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Publisher: ACM Press

Full text available:  [pdf\(1.61 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: World Wide Web, image search engine, query result visualization

45 Life, death, and lawfulness on the electronic frontier



James Pitkow, Peter Pirolli

March 1997 **Proceedings of the SIGCHI conference on Human factors in computing systems**

Publisher: ACM Press

Full text available:  [pdf\(1.05 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: World Wide Web, categorization, clustering, co-citation analysis, hypertext, survival analysis, usage models

46 Hypertext construction using statistical and semantic similarity



Dongwook Shin, Sejin Nam, Munseok Kim

July 1997 **Proceedings of the second ACM international conference on Digital libraries**

Publisher: ACM Press

Full text available:  [pdf\(1.15 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

47 Approximating matrix multiplication for pattern recognition tasks



Edith Cohen, David D. Lewis

January 1997 **Proceedings of the eighth annual ACM-SIAM symposium on Discrete algorithms**

Publisher: Society for Industrial and Applied Mathematics

Full text available:  [pdf\(1.10 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

48 ABSTRACTS (Chosen by G. Salton or V. Raghavan from 1984 issues of journals in the retrieval area)



May 1986 **ACM SIGIR Forum**, Volume 20 Issue 1-4

Publisher: ACM Press

Full text available:  [pdf\(2.38 MB\)](#) Additional Information: [full citation](#), [abstract](#)

Examined in this article is the hypothesis that it is now technologically and economically feasible to move the content of documents electronically among nodes of a library network rather than the documents themselves or photocopies thereof. Comparisons are made on the basis of response-to-request time, quality of reproduced copy and cost factors. The conclusion is reached that electronic interlibrary resource-sharing networks are ideally suited to situations where there are high frequency occur ...

49 Authoritative sources in a hyperlinked environment



Jon M. Kleinberg

January 1998 **Proceedings of the ninth annual ACM-SIAM symposium on Discrete algorithms**

Publisher: Society for Industrial and Applied Mathematics

Full text available:  pdf(843.14 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

50 Text summarization: Summarization: (1) using MMR for diversity - based reranking and (2) evaluating summaries

Jade Goldstein, Jaime Carbonell


October 1998 **Proceedings of a workshop on held at Baltimore, Maryland: October 13-15, 1998**

Publisher: Association for Computational Linguistics

Full text available:  pdf(1.17 MB) Additional Information: [full citation](#), [abstract](#), [references](#)

This paper develops a method for combining query-relevance with information-novelty in the context of text retrieval and summarization. The Maximal Marginal Relevance (MMR) criterion strives to reduce redundancy while maintaining query relevance in reranking retrieved documents and in selecting appropriate passages for text summarization. Preliminary results indicate some benefits for MMR diversity ranking in ad-hoc query and in single document summarization. The latter are borne out by the tria ...

51 Multi-media document representation and retrieval


 Esen Ozkarahan, Fazli Can

April 1991 **Proceedings of the 19th annual conference on Computer Science**

Publisher: ACM Press

Full text available:  pdf(1.10 MB) Additional Information: [full citation](#), [references](#), [citations](#)

52 Interactive clustering for navigating in hypermedia systems

 Sougata Mukherjea, James D. Foley, Scott E. Hudson

September 1994 **Proceedings of the 1994 ACM European conference on Hypermedia technology**

Publisher: ACM Press

Full text available:  pdf(918.11 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper talks about clustering related nodes of an overview diagram to reduce its complexity and size. This is because although overview diagrams are useful for helping the user to navigate in a hypermedia system, for any real-world system these become too complicated and large to be really useful. Both structure-based and content-based clustering are used. Since the nodes can be related to each other in different ways, depending on the situation different clustered views will be useful. ...

Keywords: clustering, information visualization, navigation, overview diagrams

53 Documentation: Documents, concepts and neural networks

Jennifer Farkas

October 1993 **Proceedings of the 1993 conference of the Centre for Advanced Studies on Collaborative research: distributed computing - Volume 2**

Publisher: IBM Press

Full text available:  pdf(533.53 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

In this paper we investigate the relevance of neural networks to the problem of document classification. We show that textual documents can be represented numerically in a semantically meaningful way, so that the back-propagation learning algorithm can be used to build a document classifying neural network. We show that the network can be taught to classify natural language text according to predefined specifications. The

convergence properties of the prototype *NeuroZ* described in this pa ...

54 Protofoil: storing and finding the information worker's paper documents in an electronic file cabinet



Ramana Rao, Stuart K. Card, Walter Johnson, Leigh Klotz, Randall H. Trigg
April 1994 **Proceedings of the SIGCHI conference on Human factors in computing systems: celebrating interdependence**

Publisher: ACM Press

Full text available: pdf(1.38 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: ad hoc information work, document imaging, filing of paper documents, information retrieval, paper user interface



55 A transient hypergraph-based model for data access



Carolyn Watters, Michael A. Shepherd
April 1990 **ACM Transactions on Information Systems (TOIS)**, Volume 8 Issue 2

Publisher: ACM Press

Full text available: pdf(1.94 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Two major methods of accessing data in current database systems are querying and browsing. The more traditional query method returns an answer set that may consist of data values (DBMS), items containing the answer (full text), or items referring the user to items containing the answer (bibliographic). Browsing within a database, as best exemplified by hypertext systems, consists of viewing a database item and linking to related items on the basis of some attribute or attribute value. ...



56 Papers: Inherited Feature-based Similarity Measure based on large semantic hierarchy and large text corpus



Hideki Hirakawa, Zhonghui Xu, Kenneth Haase
August 1996 **Proceedings of the 16th conference on Computational linguistics - Volume 1**

Publisher: Association for Computational Linguistics

Full text available: pdf(623.25 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

We describe a similarity calculation model called IFSM (Inherited Feature Similarity Measure) between objects (words/concepts) based on their common and distinctive features. We propose an implementation method for obtaining features based on abstracted triples extracted from a large text corpus utilizing taxonomical knowledge. This model represents an integration of traditional methods, i.e., relation based similarity measure and distribution based similarity measure. An experiment, using our n ...



57 Data manipulation and programming problems in automatic information retrieval



G. Salton
March 1966 **Communications of the ACM**, Volume 9 Issue 3

Publisher: ACM Press

Full text available: pdf(885.56 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Automatic information retrieval programs require the manipulation of a variety of different data structures, including linear text, sparse matrices, and tree or list structures. The main data manipulations to be performed in automatic information systems are first briefly reviewed. A variety of data representations which have been used to describe structured information are then examined, and the characteristics of various processing languages are outlined in the light of the procedures req ...



58 Organization of clustered files for consecutive retrieval

J S. Deogun, V V. Raghavan, T K.W. Tsou

December 1984 **ACM Transactions on Database Systems (TODS)**, Volume 9 Issue 4**Publisher:** ACM Press

Full text available: pdf(1.79 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#),
[review](#)

This paper studies the problem of storing single-level and multilevel clustered files. Necessary and sufficient conditions for a single-level clustered file to have the consecutive retrieval property (CRP) are developed. A linear time algorithm to test the CRP for a given clustered file and to identify the proper arrangement of objects, if CRP exists, is presented. For the single-level clustered files that do not have CRP, it is shown that the problem of identifying a storage organization w ...

59 Incorporating different search models into one document retrieval system

W. Bruce Croft

May 1981 **ACM SIGIR Forum , Proceedings of the 4th annual international ACM SIGIR conference on Information storage and retrieval: theoretical issues in information retrieval SIGIR '81**, Volume 16 Issue 1**Publisher:** ACM Press

Full text available: pdf(580.78 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Many effective search strategies derived from different models are available for document retrieval systems. However, it does not appear that there is a single most effective strategy. Instead, different strategies perform optimally under different conditions. This paper outlines the design of an adaptive document retrieval system that chooses the best search strategy for a particular situation and user. In order to be able to support a variety of search strategies, a general network representat ...

60 Navigating in information spaces: Information foraging models of browsers for very large document spaces

Peter Pirolli, Stuart K. Card

May 1998 **Proceedings of the working conference on Advanced visual interfaces****Publisher:** ACM Press

Full text available: pdf(4.29 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Information Foraging (IF) Theory addresses user strategies and technology for seeking, gathering, and using on-line information. We present IF-based models and evaluations of two interfaces: the Scatter/Gather browser for large document collections, and the Butterfly interface for surfing the citation link structure of scientific literatures. A computational cognitive model, ACT-IF, models observed users by assuming that they have heuristics that optimize their information foraging behavior in a ...

Keywords: cognitive models, information foraging theory, information retrieval

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